HindPhotostat

GET IT ON Google Play

Hind Photostat & Book Store

Best Quality Classroom Topper Hand Written Notes to Crack GATE, IES, PSU's & Other Government Competitive/ Entrance Exams

MADE EASY
COMPUTER SCIENCE
Topper Handwritten Notes
THEORY OF COMPUTATION
BY-PRASAD SIR

- Theory
- Explanation
- Derivation
- Example
- Shortcuts
- Previous Years Question With Solution

Visit us:-**www.hindphotostat.com**

Courier Facility All Over India
(DTDC & INDIA POST)
Mob-9311989030

HindPhotostat

GET IT ON Google Play

MADE EASY , IES MASTER , ACE ACADEMY , KREATRYX

ESE , GATE, PSU BEST QUALITY TOPPER HAND WRITTEN NOTES

MINIMUM PRICE AVAILABLE @ OUR WEBSITE

1. ELECTRONICS ENGINEERING
2. ELECTRICAL ENGINEERING
3. MECHANICAL ENGINEERING
4. CIVIL ENGINEERING
5. INSTRUMENTION ENGINEERING
6. COMPUTER SCIENCE

IES ,GATE , PSU TEST SERIES AVAILABLE @ OUR WEBSITE

- IES –PRELIMS & MAINS
- GATE

➢ **NOTE;- ALL ENGINEERING BRANCHS**

➢ ALL PSUs PREVIOUS YEAR QUESTION PAPER @ OUR WEBSITE

PUBLICATIONS BOOKS -

MADE EASY , IES MASTER ,ACE ACADEMY ,KREATRYX ,GATE ACADEMY, ARIHANT ,GK

RAKESH YADAV, KD CAMPUS , FOUNDATION , MC –GRAW HILL (TMH) ,PEARSON...OTHERS

HEAVY DISCOUNTS BOOKS AVAILABLE @ OUR WEBSITE

HIND PHOTOSTAT AND BOOK CENTER F230, Lado Sarai New Delhi-110030 Phone: 9311 989 030 9560 163 471	Shop No: 46 100 Futa M.G. Rd Near Made Easy Ghitorni, New Delhi-30 Phone:	F518 Near Kali Maa Mandir Lado Sarai New Delhi-110030 Phone:	Shop No.7/8 Saidulajab Market Neb Sarai More, Saket, New Delhi-30

Website: www.hindPhotostat.com

Contact Us: 9311 989 030

Courier Facility All Over India

C. Solmon Prem Sagar

- 8008652561

TOC

- Prasad sir

- 8500518598

- 8808137241

Textbooks

→ Ulman

→ John c. martin

→ Petey Linz

→ Michael.

Syllabus.

1. Finite Automata

2. Regular Expression & Regular language

3. Grammar

4. Push down Automata

5. Turing machine

6. Undeciability.

Input Alphabet: There is no prescribed definition for input alphabet but it must have finite no. of elements.

Eg: $\Sigma = \{a, b, c\}$

$= \{0, 1\}$

$= \{+, -, *, \div\}$

String: A string is any finite combination of input alphabets.

Eg: Given Alphabet = $\Sigma = \{a, b\}$

Strings: a, aa, aaa, aaaa, ...

abab, ...

but (ab.... Infinite) is not a string.

Operation on string:

1) Length of the string: The no. of symbols in the string

Ex: $\Sigma = \{a, b, c\}$

0-length string: is only ϵ (Epsilon)

Cardinality of $= |\epsilon| = 0$

$|w| = 1$
a, b, c
$|w| = 2$
aa, ab, ac, bb ...

Cardinality = length of string = no. of Symbol in string.

The no. of strings of length '0' is $|\Sigma|^0 = 3^0 = 1$

" " " " " '1' is $|\Sigma|^1 = 3^1 = 3$

" " " " " '2' is $|\Sigma|^2 = 3^2 = 9$

" " " " " 'n' is $|\Sigma|^n = 3^n$